

CLAIMS

1. A traveling crane consisting of a superstructure (2) that can be turned about an upright axis (8) and carries a crane jib with hoisting means, a truck (4) with a tracklaying gear (21) that carries the superstructure (2) and a supporting device (3) with several outriggers (14, 17) that can be raised and lowered, characterized in that the superstructure (2) as well as the truck (4) can be turned relative to the supporting device (3) about an upright axis (8, 19).
2. The crane according to the preceding claim, wherein a first revolving connection (9) is provided between the superstructure (2) and the supporting device (3) and a second revolving connection (24) is provided between the supporting device (3) and the truck (4) such that the superstructure (2) and the supporting device (3) can be turned relative to the truck (4) independently of one another, and wherein separate drives (10, 20) that can be actuated independently of one another are preferably assigned to each revolving connection (9, 24).
3. The crane according to the preceding claim, wherein the first revolving connection (9) and/or the second revolving connection (24) is/are realized in the form of a separable rapid-action coupling.
4. The crane according to one of the preceding claims, wherein the supporting device (3) is able to raise the truck (4) together with the superstructure (2) such that the truck can be turned while its tracklaying gear (21) is lifted off the ground.
5. The crane according to one of the preceding claims, wherein the supporting device (3) contacts the ground in points that lie outside the turning radius of the truck, (4).
6. The crane according to one of the preceding claims, wherein a control device (27) is provided in order to steer the crane in a new driving direction, and wherein said control device initially lowers the supporting device (3) and lifts the tracklaying gear (21) of the truck (4) off the

ground, then turns the truck (4) in the desired new driving direction while its tracklaying gear (21) is lifted off the ground and ultimately raises the supporting device (3) such that the tracklaying gear (21) once again comes in contact with the ground.

7. The crane according to the preceding claim, wherein the control device (27) is realized in such a way that the superstructure (2) and the truck (4) are not turned in the new driving direction at the same time, and wherein the superstructure (2) is turned in the new driving direction while the supporting device (3) as well as the tracklaying gear (21) of the truck (4) are in contact with the ground and either the truck (4) or the supporting device (3) is already turned in the new driving direction.
8. The crane according to one of the preceding claims, wherein the truck (4) with its tracklaying gear (21) has a total width that amounts to less than 50 % of the outside length of the tracks (22) of the tracklaying gear (21).
9. The crane according to one of the preceding claims, wherein the supporting device (3) comprises a center part (11) with several outriggers (14) mounted thereon, as well as a superstructure bearing (25) for rotatably supporting the superstructure (2) and a truck bearing (26) for rotatably supporting the truck (4).
10. The crane according to the preceding claim, wherein the superstructure bearing (25) is realized complementary to the truck bearing (26), and wherein a separable coupling is provided between the superstructure (2) and the center part (11) on one hand and/or between the center part (11) and the truck (4) on the other hand.
11. The crane according to one of the two preceding claims, wherein the center part (11) of the supporting device (3) can be placed onto differently configured trucks (4), in particular, trucks with different track widths.
12. The crane according to one of the preceding claims, wherein separable rapid-action couplings (9, 24) are provided between the superstructure

(2) and the supporting device (3) on one hand and between the supporting device (3) and the truck (4) on the other hand.

13. The crane according to one of the preceding claims, wherein the supporting device (3) contains outriggers (14) that can be extended transverse to the driving direction in order to widen the ground contact surface, wherein the outriggers (14) preferably can be pivoted outward into an operating position and inward into a driving position about an upright axis.